# 1 External rechargeable batteries (trolley)

## 1.1 Replacing the external rechargeable batteries (trolley)

1 Disconnect the external battery connector (Fig. 1/1) from the rear panel of the power pack.

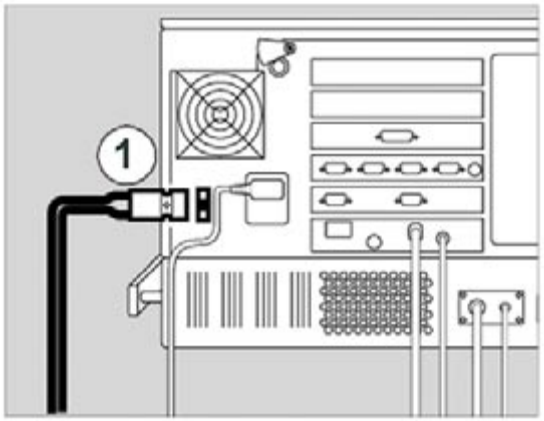


**Fig. 1** Rear view of the power pack, external battery connector

2 Remove the cover mat (Fig. 2/1).

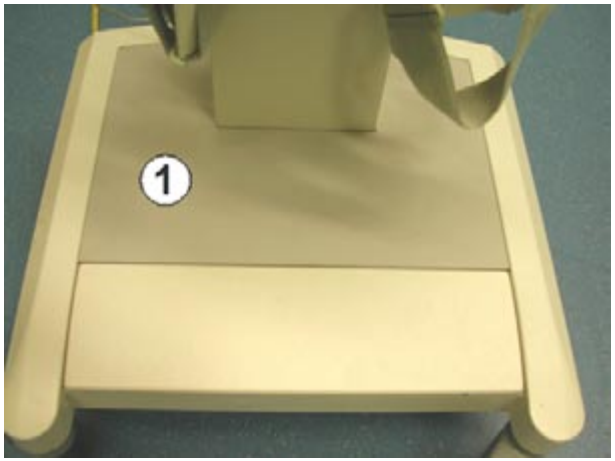


**Fig. 2** Cover mat

3 Remove screws and washers (Fig. 3/1) from the battery cover.

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**Fig. 3** Battery cover

4 Remove both pads (Fig. 4/1) from the trolley and put them aside for later reassembly.

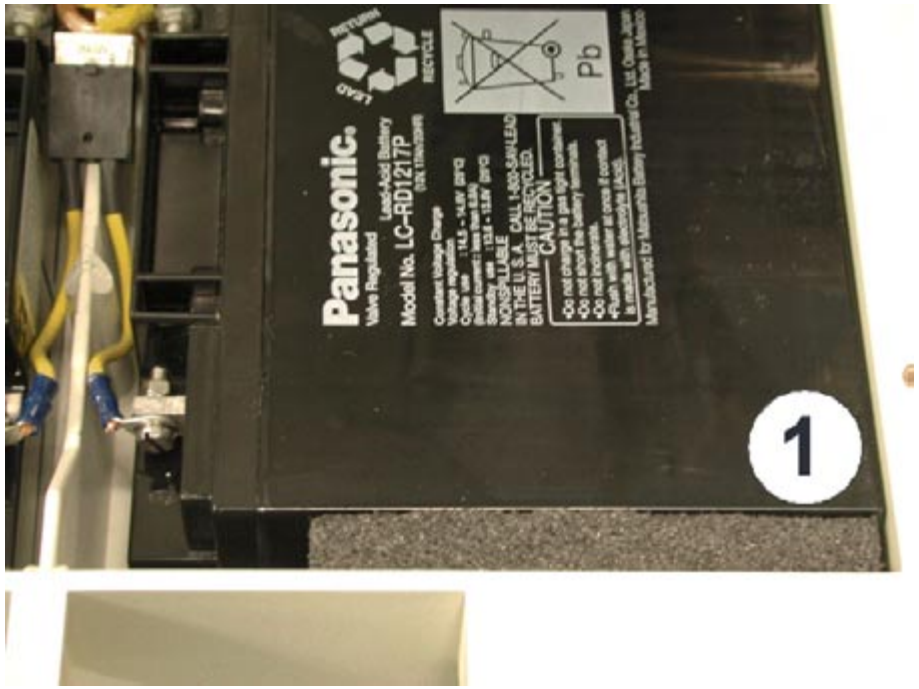


**Fig. 4** Pad of the right-hand rechargeable battery

5 Remove nuts, washers, and screws (Fig. 5/1).

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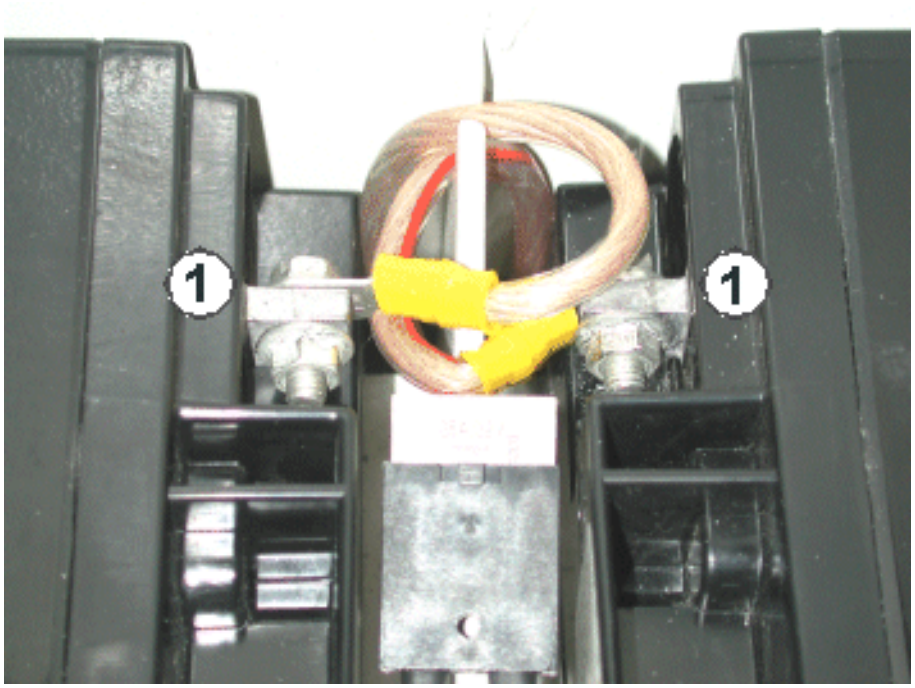


**Fig. 5** Cable harness connections

6 Remove nuts, washers, split washers, and screws (Fig. 6/1).

7 Remove the fuse carrier and put it aside for later reassembly.

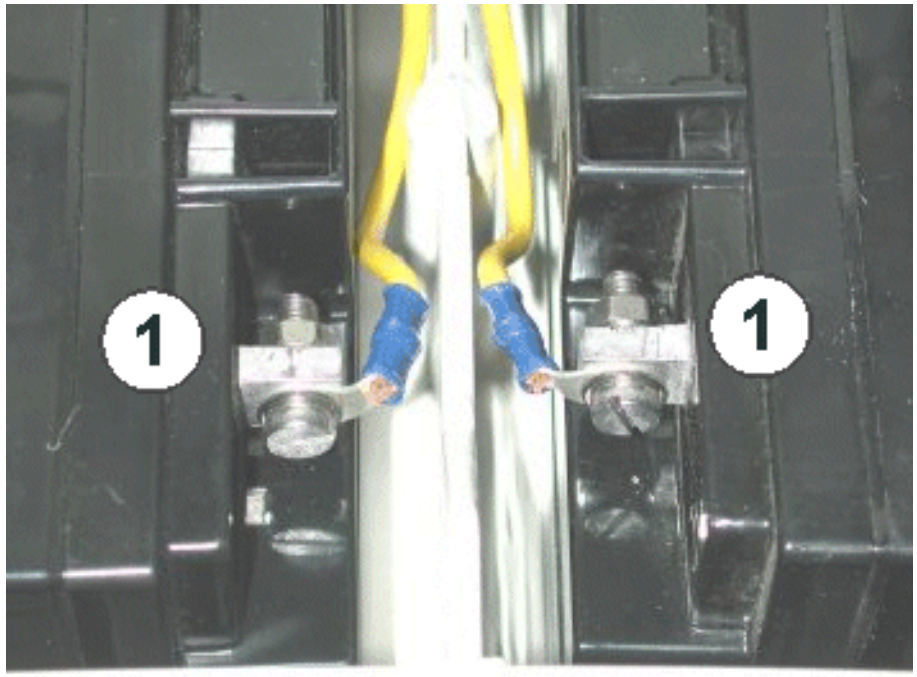


**Fig. 6** Fuse carrier connections

Spent, rechargeable batteries are special waste and must be disposed of in accordance with local waste disposal regulations.

8 Remove spent, rechargeable batteries and dispose of according to local waste disposal regulations.

9 Place the new rechargeable batteries into the trolley (sockets up), making sure the polarity is correct, see the following Figure.

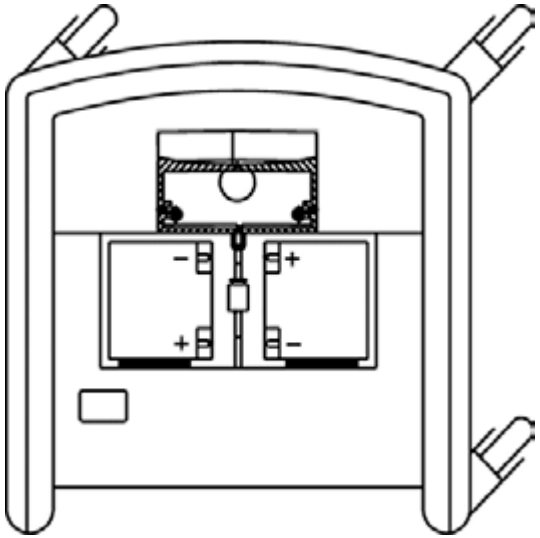


**Fig. 7** Fitting position of the rechargeable batteries

⚠ The rechargeable batteries are connected in series. Short-circuiting the rechargeable batteries must be avoided! Therefore, make sure the polarity of the rechargeable batteries is correct (Note: The marked wire of the cable harness is the positive (plus) line)

10 Use the screws, washers and nuts (Fig. 8/1) to connect the cable harness to the connections of the rechargeable batteries (make sure the polarity is correct!).

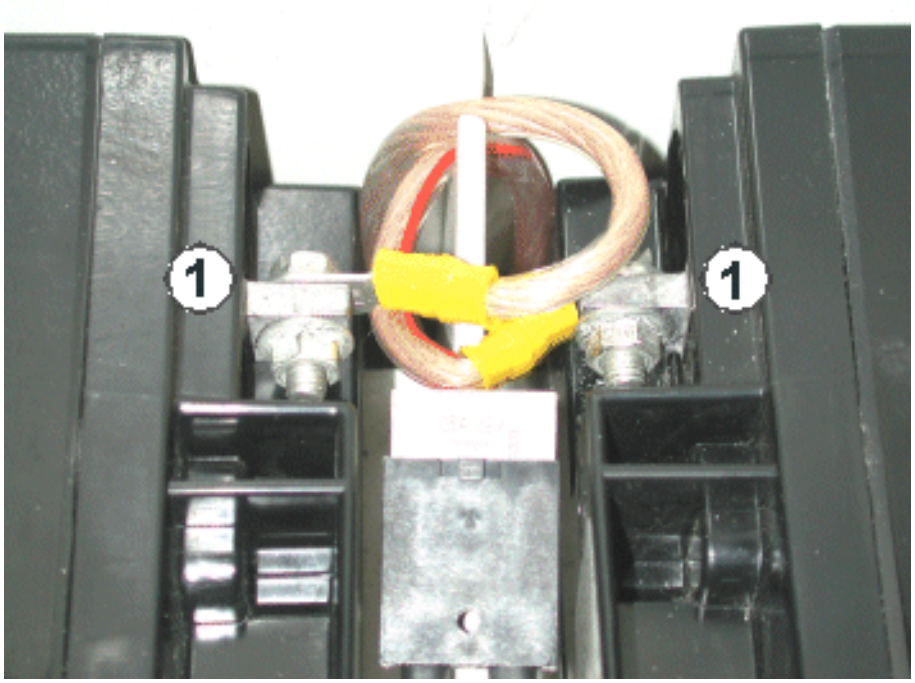


**Fig. 8** Cable harness connections

11 Enter the fitting date of the new rechargeable batteries on the attached label.

12 Using the screws, washers, split washer, and nuts (Fig. 9/1) connect the cables of the fuse carries to the connections of the rechargeable batteries.

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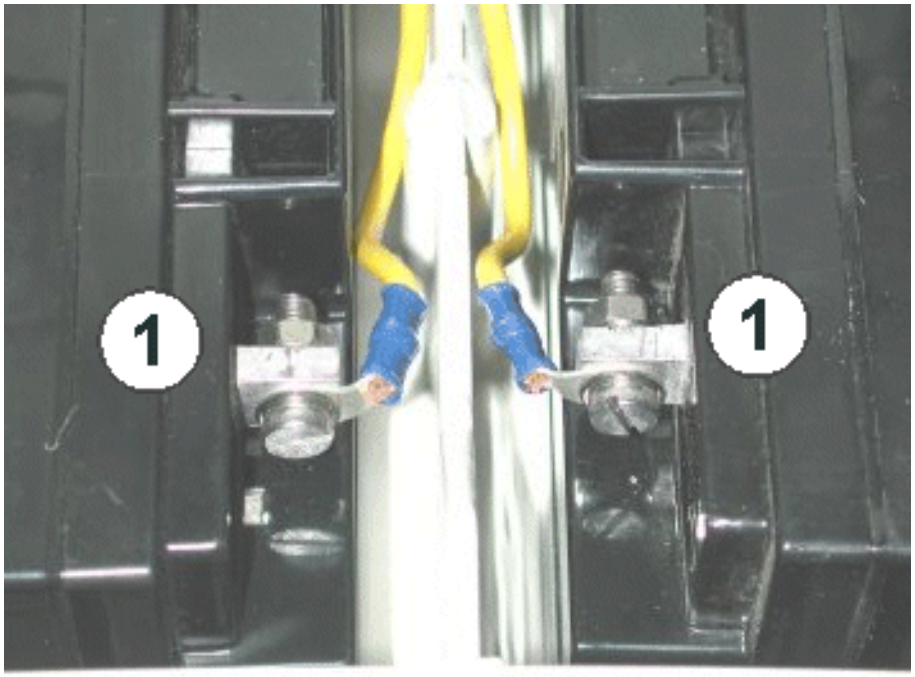


**Fig. 9** Fuse carrier connections

13 Push the fuse carrier into the recess on the partition wall.

14 Use the pads (Fig. 10/1) to fix the left-hand and right-hand batteries in position.

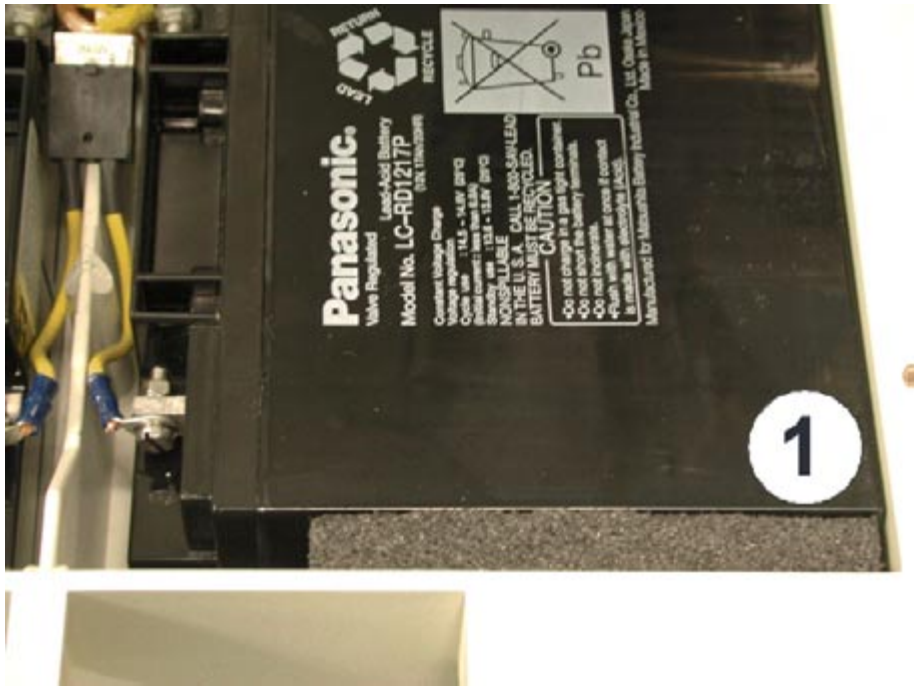


**Fig. 10** Fitting position of the right-hand rechargeable battery pad

15 Secure the battery cover using screws and washers (Fig. 11/1).

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**Fig. 11** Battery cover

16 Place the cover mat (Fig. 12/1) onto the battery cover.

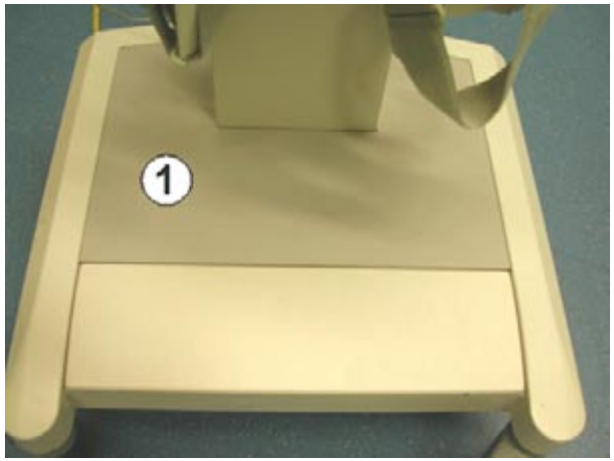


**Fig. 12** Cover mat

17 Connect the external battery connector (Fig. 13/1) to the rear panel of the power pack.

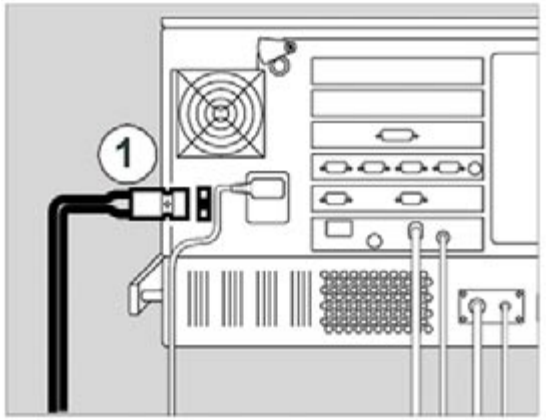


**Fig. 13** Rear view of the power pack, external battery connector

18 Check the electrical safety and the correct functioning of the machine as described in the PMS procedure.

19 Switch the machine to operating mode or standby mode and allow the rechargeable batteries to charge for approx. four to five hours.